PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET, N.W.
WASHINGTON, D.C. 20554

DA 98-1077

News media information 202/418-0500   Fax-On-Demand 202/418-2830   Internet: http://www.fcc.gov   ftp.fcc.gov

Released: June 8, 1998

FCC ANNOUNCES THE CONDITIONAL GRANT OF
LOCAL MULTIPOINT DISTRIBUTION SERVICE LICENSES
(Balance of Winning Bids are due by June 22, 1998)

Auction Event No. 17

On March 25, 1998, the FCC completed its auction of 986 licenses for the Local Multipoint Distribution Service (LMDS) in the 27.5 - 28.35 GHz, 29.1 - 29.25 GHz and 31 GHz frequency bands.[1] After a preliminary review of the FCC long-form applications (FCC Form 601), applications for 864 licenses were accepted for filing.[2]

The Wireless Telecommunications Bureau, under delegated authority, conditionally grants the applications listed in **Attachment A**. Pending applications that are subject to further review are not listed herein. Final disposition of the applications which are not granted at this time will be noted in future public notices and/or orders. These grants listed in Attachment A are conditioned upon the full and timely payment of the remaining balance of the applicant's winning bid(s) within **ten (10) business days** of the date of this Public Notice (*i.e.*, **by June 22, 1998**). *See* 47 C.F.R. § 101.1105(b).

Note that the general competitive bidding rules also provide an additional ten (10) day grace period for applicants who fail to meet the initial ten (10) day payment deadline. 47 C.F.R. § 1.2109(a) (as amended).[3] Under Section 1.2109(a), applicants who fail to meet the initial ten (10) day deadline are given an additional ten (10) business days in which to pay, provided they also pay a late fee equal to five percent of the amount due. 47 C.F.R. § 1.2109(a). Applicants listed on Attachment A who do not submit the required payment by the late payment deadline of **July 6, 1998**, will be considered in default and are subject to automatic license cancellation and additional

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[1] LMDS Auction Closes, Auction No. 17, *Public Notice*, DA 98-572 (March 26, 1998). 122 LMDS licenses remained unawarded at the conclusion of the auction.

[2] Local Multipoint Distribution Service Applications Accepted for Filing, Auction No. 17, *Public Notice*, DA 98-740 (April 16, 1998).

[3]   *See* In the Matter of Amendment of Part 1 of the Commission's Rules -- Competitive Bidding Procedures, WT Docket No. 97-82, Third Report and Order and Second Further Notice of Proposed Rule Making, 13 FCC Rcd 374 (1997) (amending the Commission's Part One competitive bidding rules).

default payments. *See* 47 C.F.R. §§ 1.2104(g)(2) (as amended), 1.2109, 1.2107(b), 101.1105.[4] Should the applicant default, it will be subject to a payment equal to the difference between the amount bid and the amount of the winning bid the next time the license is offered by the Commission. 47 C.F.R. § 1.2104(g)(2).

In addition, defaulting applicants will be subject to a default payment of three percent of the subsequent winning bid or three percent of the defaulting bid, whichever is less. These amounts will be deducted from any remaining upfront payments or down payments that the defaulting or disqualified applicant has on deposit with the Commission. *See* 47 C.F.R. § 1.2106(e). If the default occurs within ten (10) business days after the bidding has closed, the Commission retains the discretion to offer the license to the other bidders in descending order of their bid amounts at the final bid levels. *See* 47 C.F.R. § 1.2109(b).

Issuance of Individual Licenses

Following the timely payment of the balance of the applicant's winning bid amount(s), the Commission will issue individual LMDS license(s) for each market to the applicant(s) listed in Attachment A.

PAYMENT INSTRUCTIONS

Final payments. All applicants identified in Attachment A must submit the balance of their winning bids in lump sum payments to Mellon Bank by June 22, 1998.

Method of payment. All payments must be in U.S. dollars and made in the form of a wire transfer. No personal checks, credit card payments, or other forms of payment will be accepted. **All payments must be accompanied by a completed FCC Remittance Advice Form (FCC Form 159).**[5] A partially completed copy of the FCC Form 159 will be sent to each applicant on June 8, 1998 to facilitate submission of the correct remaining balance of the winning bid(s). Applicants listed on Attachment A who have not received the partially completed FCC Form 159 by June 9, 1998, should contact Gail Glasser at 202-418-1995. **However, each applicant is ultimately responsible for the verification and submission of the correct balance due.**

Wire transfer payments must be **received** by Mellon Bank by **6:00 p.m. Eastern Time, on Thursday, June 22, 1998**. Applicants should coordinate with their bankers ahead of time regarding their wire transfers, and allow sufficient time for the wire transfer to be **initiated and completed prior to the deadline**. To submit funds by wire transfer, applicants will need the following information:

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[4]   *Id.*; s*ee also* Wireless Telecommunications Bureau Will Strictly Enforce Default Payment Rules, DA 96-481, *Public Notice*, 11 FCC Rcd 10853 (1996).

[5]   Copies of the FCC Form 159 may be obtained by calling the Commission's Forms Distribution Center at 1-800-418-3676 (outside Washington, D.C.) or 202-418-3676 (in the Washington area). Copies of the FCC Form 159 can also be obtained via the Internet <<http://www.fcc.gov/formpage.html>> or by Fax-On-Demand (202-418-2830).

ABA Routing Number: 043000261
Receiving Bank: Mellon Pittsburgh
BNF: FCC/AC-9116106
OBI Field: (Skip one space between each information item)
"AUCTIONPAY"
TAXPAYER IDENTIFICATION NO. (same as FCC Form 159, Block 26)
PAYMENT TYPE CODE (same as FCC Form 159, Block 20A: "AWLD")
    FCC CODE 1 (same as FCC Form 159, Block 23A: "17")
PAYOR NAME (same as FCC Form 159, Block 2)
LOCKBOX NO. 358850

Applicants must fax a completed FCC Form 159 to Mellon Bank at 412-236-5702 at least one hour before placing the order for the wire transfer (but on the same business day).

Proper completion of the **FCC Form 159** is critical to ensuring correct credit of bidder deposits. **Applicants must use the same Taxpayer Identification Number used on their FCC Form 175 (as amended).** Questions concerning the calculation and submission of down payments should be directed to Linwood Jenkins at 202-418-1995.

For further information, contact:

News Media: Meribeth McCarrick at 202-418-0654

Technical Support Hotline: Technical Support Personnel
    at 202-414-1250

Office of the Managing Director
(payment, FCC Form 159 and refund questions): Linwood Jenkins at 202-418-1995

Wireless Telecommunications Bureau,
Public Safety and Private Wireless Division
(FCC Form 601 questions): Bob James or James Moskowitz
    at 202-418-0680

This Public Notice contains the following attachments:

Attachment A: Conditionally Granted Applications

Attachment B: Search Instructions: Auction No. 17 Applications

Attachment C: Search Instructions: Licenses Conditionally Granted for
                Auction No. 17

Attachment D: Accessing the FCC Network Using Windows 95

Attachment E: Accessing the FCC Network Using Windows 3.1 or 3.11

Conditionally Granted Licenses for Auction No. 17

Market	Channel Block	Licensee Name	File Number	Call Sign
BTA001	B	Eclipse Communications Corporation	0000000132	WPLM349
BTA002	B	Eclipse Communications Corporation	0000000132	WPLM367
BTA003	B	Eclipse Communications Corporation	0000000132	WPLM339
BTA010	A	Vanguard LMDS Corp.	0000000033	WPLM270
BTA012	A	Vanguard LMDS Corp.	0000000033	WPLM289
BTA014	A	Digital and Wireless Television, L.L.C.	0000000108	WPLM314
BTA015	B	Progressive Communications Inc.	0000000131	WPLM324
BTA021	A	Cortelyou Communications Corp.	0000000039	WPLM300
BTA023	A	Vanguard LMDS Corp.	0000000033	WPLM291
BTA028	B	The Ponderosa Telephone Co.	0000000099	WPLM311
BTA030	A	Vanguard LMDS Corp.	0000000033	WPLM276
BTA031	A	Totelcom of Oklahoma, Inc.	0000000047	WPLM337
BTA031	B	Totelcom of Oklahoma, Inc.	0000000047	WPLM338
BTA036	B	Eclipse Communications Corporation	0000000132	WPLM366
BTA037	B	Northern Communications, Inc.	0000000086	WPLM252
BTA040	A	Eclipse Communications Corporation	0000000132	WPLM342
BTA041	B	Eclipse Communications Corporation	0000000132	WPLM376
BTA043	A	Vanguard LMDS Corp.	0000000033	WPLM272
BTA045	B	Eclipse Communications Corporation	0000000132	WPLM347
BTA047	B	One Call Communications, Inc.	0000000115	WPLM269
BTA053	B	Eclipse Communications Corporation	0000000132	WPLM380
BTA055	B	Eclipse Communications Corporation	0000000132	WPLM365
BTA056	A	Valley Telephone Cooperative, Inc.	0000000028	WPLM262
BTA062	B	Catfish Communications, L.L.C.	0000000079	WPLM245
BTA064	B	Eclipse Communications Corporation	0000000132	WPLM379
BTA065	A	Cortelyou Communications Corp.	0000000039	WPLM296
BTA069	B	Eclipse Communications Corporation	0000000132	WPLM357
BTA072	A	Home Telephone Company, Inc.	0000000085	WPLM251
BTA073	A	Vanguard LMDS Corp.	0000000033	WPLM286

BTA075	A	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM254
BTA080	A	Cortelyou Communications Corp.	0000000039	WPLM305
BTA081	A	Cortelyou Communications Corp.	0000000039	WPLM301
BTA084	A	Cortelyou Communications Corp.	0000000039	WPLM295
BTA087	B	AirCom Consultants, Inc., d/b/a InAirNet	0000000128	WPLM235
BTA088	B	Eclipse Communications Corporation	0000000132	WPLM389
BTA095	A	Cortelyou Communications Corp.	0000000039	WPLM303
BTA102	A	Brinkman Mr, Charles J	0000000023	WPLM244
BTA104	A	Virginia Tech Foundation, Inc	0000000051	WPLM308
BTA106	A	Cortelyou Communications Corp.	0000000039	WPLM302
BTA110	B	U S WEST Communications, Inc.	0000000041	WPLM325
BTA111	B	U S WEST Communications, Inc.	0000000041	WPLM330
BTA113	B	Eclipse Communications Corporation	0000000132	WPLM353
BTA127	A	Vanguard LMDS Corp.	0000000033	WPLM273
BTA133	B	U S WEST Communications, Inc.	0000000041	WPLM329
BTA135	B	One Call Communications, Inc.	0000000115	WPLM268
BTA136	A	Digital and Wireless Television, L.L.C.	0000000108	WPLM315
BTA138	A	Eclipse Communications Corporation	0000000132	WPLM343
BTA139	A	Tri-Corners Telecommunications, Inc.	0000000063	WPLM249
BTA139	B	Tri-Corners Telecommunications, Inc.	0000000063	WPLM250
BTA140	B	Catfish Communications, L.L.C.	0000000079	WPLM248
BTA143	A	Cortelyou Communications Corp.	0000000039	WPLM294
BTA159	A	Wireless Distribution Services Inc.	0000000049	WPLM264
BTA166	A	Eclipse Communications Corporation	0000000132	WPLM344
BTA166	B	Eclipse Communications Corporation	0000000132	WPLM345
BTA167	B	Eclipse Communications Corporation	0000000132	WPLM383
BTA168	B	U S WEST Communications, Inc.	0000000041	WPLM326
BTA171	B	Eclipse Communications Corporation	0000000132	WPLM377
BTA172	B	Eclipse Communications Corporation	0000000132	WPLM358
BTA179	A	Vanguard LMDS Corp.	0000000033	WPLM285
BTA181	A	Vanguard LMDS Corp.	0000000033	WPLM277

BTA183	A	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM256
BTA188	B	Eclipse Communications Corporation	0000000132	WPLM381
BTA190	B	Eclipse Communications Corporation	0000000132	WPLM387
BTA192	B	Eclipse Communications Corporation	0000000132	WPLM386
BTA197	A	Vanguard LMDS Corp.	0000000033	WPLM287
BTA197	B	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM257
BTA199	B	Eclipse Communications Corporation	0000000132	WPLM352
BTA200	A	SKSW LMDS Venture	0000000084	WPLM319
BTA200	B	SKSW LMDS Venture	0000000084	WPLM320
BTA202	B	Eclipse Communications Corporation	0000000132	WPLM371
BTA220	B	Totelcom of Oklahoma, Inc.	0000000047	WPLM333
BTA222	B	Eclipse Communications Corporation	0000000132	WPLM388
BTA229	A	Virginia Tech Foundation, Inc	0000000051	WPLM310
BTA239	A	Wireless Distribution Services Inc.	0000000049	WPLM263
BTA240	A	Vanguard LMDS Corp.	0000000033	WPLM278
BTA244	A	Eclipse Communications Corporation	0000000132	WPLM374
BTA251	A	MEDIA PCS VENTURES, INC.	0000000123	WPLM322
BTA253	B	Panhandle Telecommunication Systems, Inc.	0000000048	WPLM316
BTA255	A	Cortelyou Communications Corp.	0000000039	WPLM293
BTA256	A	Eclipse Communications Corporation	0000000132	WPLM382
BTA256	B	U S WEST Communications, Inc.	0000000041	WPLM332
BTA259	A	Vanguard LMDS Corp.	0000000033	WPLM288
BTA261	A	Eclipse Communications Corporation	0000000132	WPLM369
BTA261	B	AirCom Consultants, Inc., d/b/a InAirNet	0000000128	WPLM239
BTA266	A	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM259
BTA268	A	Valley Telephone Cooperative, Inc.	0000000028	WPLM261
BTA278	A	Cortelyou Communications Corp.	0000000039	WPLM298

BTA280	A	Swayzee Telephone Company	0000000026	WPLM321
BTA281	A	Cortelyou Communications Corp.	0000000039	WPLM306
BTA284	A	Virginia Tech Foundation, Inc	0000000051	WPLM309
BTA296	A	Eclipse Communications Corporation	0000000132	WPLM341
BTA299	A	Eclipse Communications Corporation	0000000132	WPLM348
BTA300	A	Eclipse Communications Corporation	0000000132	WPLM378
BTA301	B	Eclipse Communications Corporation	0000000132	WPLM350
BTA306	B	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM258
BTA311	A	Totelcom of Oklahoma, Inc.	0000000047	WPLM336
BTA323	B	Eclipse Communications Corporation	0000000132	WPLM384
BTA325	A	Eclipse Communications Corporation	0000000132	WPLM385
BTA327	A	Eclipse Communications Corporation	0000000132	WPLM340
BTA331	B	Eclipse Communications Corporation	0000000132	WPLM363
BTA332	B	U S WEST Communications, Inc.	0000000041	WPLM331
BTA334	A	Catfish Communications, L.L.C.	0000000079	WPLM246
BTA334	B	Catfish Communications, L.L.C.	0000000079	WPLM247
BTA342	A	Vanguard LMDS Corp.	0000000033	WPLM290
BTA353	A	Eclipse Communications Corporation	0000000132	WPLM373
BTA354	B	Totelcom of Oklahoma, Inc.	0000000047	WPLM335
BTA356	A	Eclipse Communications Corporation	0000000132	WPLM368
BTA357	A	Vanguard LMDS Corp.	0000000033	WPLM275
BTA358	B	U S WEST Communications, Inc.	0000000041	WPLM328
BTA360	A	Vanguard LMDS Corp.	0000000033	WPLM283
BTA362	B	AirCom Consultants, Inc., d/b/a InAirNet	0000000128	WPLM236
BTA366	A	Eclipse Communications Corporation	0000000132	WPLM355
BTA369	B	Eclipse Communications Corporation	0000000132	WPLM356
BTA370	A	Vanguard LMDS Corp.	0000000033	WPLM280
BTA375	B	Eclipse Communications Corporation	0000000132	WPLM361
BTA376	A	Virginia Tech Foundation, Inc	0000000051	WPLM307
BTA381	B	Eclipse Communications Corporation	0000000132	WPLM360
BTA385	B	AirCom Consultants, Inc., d/b/a InAirNet	0000000128	WPLM238

BTA399	B	Eclipse Communications Corporation	0000000132	WPLM370
BTA403	A	Cortelyou Communications Corp.	0000000039	WPLM299
BTA407	A	Eclipse Communications Corporation	0000000132	WPLM375
BTA411	A	Eclipse Communications Corporation	0000000132	WPLM359
BTA412	A	Vanguard LMDS Corp.	0000000033	WPLM271
BTA413	B	Eclipse Communications Corporation	0000000132	WPLM362
BTA422	B	Eclipse Communications Corporation	0000000132	WPLM346
BTA428	A	Hamilton Contracting, Inc.	0000000119	WPLM253
BTA429	A	Vanguard LMDS Corp.	0000000033	WPLM284
BTA430	B	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM260
BTA433	B	Totelcom of Oklahoma, Inc.	0000000047	WPLM334
BTA434	B	The Ponderosa Telephone Co.	0000000099	WPLM312
BTA435	A	Vanguard LMDS Corp.	0000000033	WPLM274
BTA437	A	Vanguard LMDS Corp.	0000000033	WPLM281
BTA444	A	Cortelyou Communications Corp.	0000000039	WPLM292
BTA447	B	U S WEST Communications, Inc.	0000000041	WPLM327
BTA451	B	Eclipse Communications Corporation	0000000132	WPLM372
BTA458	B	The Ponderosa Telephone Co.	0000000099	WPLM313
BTA464	B	Eclipse Communications Corporation	0000000132	WPLM351
BTA465	A	MEDIA PCS VENTURES, INC.	0000000123	WPLM323
BTA472	A	SKSW LMDS Venture	0000000084	WPLM317
BTA472	B	SKSW LMDS Venture	0000000084	WPLM318
BTA475	A	Vanguard LMDS Corp.	0000000033	WPLM282
BTA476	B	Eclipse Communications Corporation	0000000132	WPLM354
BTA479	A	CFW Communications Company, R&B Communications, Inc., and Hardy Telecommunications, Inc. as tenants-in-common	0000000024	WPLM255
BTA482	B	Eclipse Communications Corporation	0000000132	WPLM364
BTA483	A	Vanguard LMDS Corp.	0000000033	WPLM279
BTA484	A	Cortelyou Communications Corp.	0000000039	WPLM297
BTA486	B	AirCom Consultants, Inc., d/b/a InAirNet	0000000128	WPLM237
BTA487	A	Cortelyou Communications Corp.	0000000039	WPLM304

BTA490	A	IT&E Overseas, Inc.	0000000118	WPLM240
BTA490	B	IT&E Overseas, Inc.	0000000118	WPLM241
BTA493	A	IT&E Overseas, Inc.	0000000118	WPLM242
BTA493	B	IT&E Overseas, Inc.	0000000118	WPLM243

Search Instructions: Auction No. 17 Applications

The following are instructions for electronically searching the FCC Network for a specific application or applications on file with the Commission. The following instructions relate specifically to searching for applications filed in response to Auction 17.

To search the FCC Network for an application, you must first connect to the FCC Network. Note the following:

- Attachment D describes how Windows 95 users can connect to the FCC Network using the Dial-Up Networking features of Windows 95.

- Attachment E describes how Windows 3.1 and Windows for Workgroups 3.11 users can connect to the FCC Network using a PPP Dialer application that is available for downloading.

<u>Conventions</u>

The instructions in this attachment use the following typographical conventions:

bold   Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icon, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic   Represents field names or areas of a screen (e.g., *Licensee Name* field, *Applicant Information* area of a screen).

bold italic   Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://www.fcc.gov***, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS   Capital letters (in Roman without italics or bold lettering) inside French quotes indicate specific keys on the keyboard (e.g., «ENTER,» «CTRL,» «ESC»).

Performing an Application Search

Once you have connected to the FCC Network, follow the procedures below to search for an application. *You may click the **?** (Help) button at anytime for additional information on using Application Search.*

1.	In the *Location* field (Netscape 3.x), *Netsite* field (Netscape 4.x), or *Address* field (Internet Explorer) of the web browser screen, type ***http://wtbwww05.fcc.gov***. Then press the ENTER key. This will access the Universal Licensing System home page.

	Note: You must have Java and JavaScript enabled in your web browser preferences to use Application Search. Refer to your web browser Help facility for more information.

2.	On the Universal Licensing System main page, click the **Application Search** button, located on the left side of the page. The Application Search screen appears. This screen contains several data entry fields used for specifying search criteria.

	Note: Application Search utilizes "cookies". If you are receiving a notification message when accepting a cookie, we recommend that you disable this message in your web browser options. Please consult your web browser Help facility for more information.

3.	On the Application Search screen, specify the search criteria necessary to locate the desired application. Please refer to the following "Basic Guidelines for Specifying Search Criteria" for more information.

	If you are searching for an application filed for Auction 17, click **17** in the *Auction ID* field.

	Basic Guidelines for Specifying Search Criteria:

	•	You must specify search criteria in at least one field. You do not have to specify search criteria in all of the search fields. Enter search criteria into as many fields as you wish.

	•	To specify search criteria in a search field containing a menu of options, click the desired option from the menu. Use the scroll bars to view all options in a menu. You can select multiple options from a menu by holding down «CTRL» while you click the menu options.

	•	Click **<No Criteria>** to undo a menu selection and search for all options in the menu.

	•	Click the **Reset** button to clear entries from all of the search fields.

	•	The Universal Licensing System restricts the number of rows returned in an application search to 100. In such instances, you must enter more specific search criteria to reduce the number of rows returned.

Click the ? (Help) button for a definition of each search field available on the Application Search screen.

4.   After you have specified the desired search criteria, click the **Search** button. The system will scan the database for any applications matching the search criteria. The matching application files will be listed on the Search Results screen. The Search Results screen will identify the file number, licensee name, application purpose, application status, radio service code, and receipt date for each application returned in the query.

A message on the Search Results screen will indicate if no matches were found for the specified search criteria. Click the **New Search** button and respecify search criteria.

5.   To view an application, click its file number link. To navigate through the data on the Application screen, use the scroll bar or click the links at the top of the screen. *Click the ? (Help) button for information regarding specific functions available on this screen.*

•   To re-access the Search Results screen, click the down arrow end of the *Other Options* field to obtain the drop-down menu of options. Click **Search Results** from the *Other Options* menu and then click the **Go** button.

•   To begin a new search, click the down arrow end of the *Other Options* field to obtain the drop-down menu of options. Click **New Search** and then click the **Go** button.

Technical Support

For technical assistance in searching the ULS for applications, contact the FCC Technical Support Hotline at (202) 414-1250. The FCC Technical Support Hotline generally will be available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*

SEARCH INSTRUCTIONS:
LICENSES CONDITIONALLY GRANTED FOR AUCTION NO. 17

Following are instructions for electronically searching the FCC Network for a specific license or licenses on file with the Commission. The following instructions relate specifically to searching for conditionally granted licenses associated with Auction 17.

To search the FCC Network for a license, you must first connect to the FCC Network. Note the following:

- Attachment D describes how Windows 95 users can connect to the FCC Network using the Dial-Up Networking features of Windows 95.

- Attachment E describes how Windows 3.1 and Windows for Workgroups 3.11 users can connect to the FCC Network using a PPP Dialer application that is available for downloading.

<u>Conventions</u>

The instructions in this attachment use the following typographic conventions:

bold   Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icon, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic   Represents field names or areas of a screen (e.g., *Licensee Name* field, *Applicant Information* area of a screen).

bold italic   Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://www.fcc.gov***, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS   Capital letters (in Roman without italics or bold lettering) inside French quotes indicate specific keys on the keyboard (e.g., «ENTER,» «CTRL,» «ESC»).

Performing a License Search

Once you have connected to the FCC Network, follow the procedures below to search for a license. *You may click the ? (Help) button at anytime for additional information on using License Search.*

1.   In the *Location* field (Netscape 3.x), *Netsite* field (Netscape 4.x), or *Address* field (Internet Explorer) of the web browser screen, type ***http://wtbwww05.fcc.gov***. Then press the «Enter,» key. This will access the Universal Licensing System home page.

        Note: You must have Java and JavaScript enabled in your web browser preferences to use License Search. Refer to your web browser Help facility for more information.

2.   On the Universal Licensing System main page, click the **License Search** button, located on the left side of the page.

        Note: License Search utilizes "cookies". If you are receiving a notification message when accepting a cookie, we recommend that you disable this message in your web browser options. Please consult your web browser Help facility for more information.

3.   Select the type of search by clicking the down arrow in the *Select Search Type* field to obtain a menu containing the following options:

        •   Select **General** to search for all licenses

        •   Select **Market Based** to search only for market-based licenses

        •   Select **Site Based** to search only for site-based licenses (use this search type when searching for Paging licenses)

        Click the desired option from the menu and click the **Continue** button.

4.   The License Search screen appears. This screen contains several data entry fields used for specifying the criteria for your license search. On the License Search screen, specify the search criteria necessary to locate the desired license. Please refer to the following "Basic Guidelines for Specifying Search Criteria" for more information.

        Basic Guidelines for Specifying Search Criteria:

        •   You must specify search criteria in at least one field. You do not have to specify search criteria in all of the search fields. Enter search criteria in as many fields as you wish.

        •   To specify search criteria in a search field containing a menu of options, click the desired option from the menu. Use the scroll bars to view all options in a menu. You can select multiple options from a menu by pressing the CTRL key while you click the menu options.

- Click **<No Criteria>** to undo a menu selection and search for all options in the menu.

- Click the **Reset** button to clear entries from all of the search fields.

- The Universal Licensing System restricts the number of rows returned in a license search to 100. In such instances, you must enter more specific search criteria to reduce the number of rows returned.

Click the ? (Help) button for a definition of each search field available on the License Search screen.

5.   After you have specified the desired search criteria, click the **Search** button. The system will scan the database for any licenses matching the search criteria. The matching license files will be listed on the Search Results screen. The Search Results screen will identify the call sign, licensee name, radio service code, market, and licensee ID for each license returned in the query.

A message on the Search Results screen will indicate if no matches were found for the specified search criteria. Click the **New Search** button and respecify search criteria.

6.   To view a license, click its call sign underlined link. To navigate through the data on the License screen, use the scroll bar or click the links at the top of the screen. *Click the ? (Help) button for information regarding specific functions available on this screen.*

- To re-access the Search Results screen, click the down arrow in the *Other Options* field to obtain the drop-down menu of options. Click **Search Results** from the *Other Options* menu and then click the **Go** button.

- To access additional information about the license (such as special conditions, associated applications, and locations), click the down arrow in the *License Options* field to obtain the drop-down menu of options. Click the desired selection from the menu then click the **Go** button.

- To begin a new search, click the down arrow in the *Other Options* field to obtain the drop-down menu of options. Click **New Search** from the *Other Options* menu and then click the **Go** button.

Technical Support

For technical assistance in searching the ULS for applications and licenses, contact the FCC Technical Support Hotline at (202) 414-1250. The FCC Technical Support Hotline generally will be available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*

ACCESSING THE FCC NETWORK
USING WINDOWS 95

This attachment describes how to access the FCC Network from a system that is running the Microsoft Windows 95 operating system. This involves configuring dial-up network access and then performing the dial-up procedure.

Conventions

The instructions in this attachment use the following typographical conventions:

bold   Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icons, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic   Represents field names or areas of a screen (e.g., *Licensee Name* field, *Applicant Information* area of a screen).

bold italic Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://www.fcc.gov***, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS Represents keys on the keyboard (e.g., ENTER, CTRL, ESC).

Hardware and Software Requirements

Applicants who want to connect to the FCC Network using the Windows 95 Dial-Up Networking will need the following hardware and software.

Hardware Requirements

• CPU: Intel 80486 or above

• RAM: 8 MB RAM (more recommended if you intend to open multiple applications)

• Hard Disk: 10 MB available disk space

• Modem: v.32bis 14.4-kbps Hayes compatible modem

• Monitor: VGA or above

• Mouse or other pointing device

Software Requirements

> Internet Web Browser software (Netscape Communicator 4.05 with JDK 1.1, Netscape Navigator 3.01, and Microsoft Internet Explorer 3.02 with the file upload patch were used

• Microsoft Windows 95

If you are running Windows in a networked environment, check with your local network administrator for any potential conflicts with the Windows 95 Dial-Up Networking. This usually

The Windows 95 Dial-Up Networking will establish a direct connection from your PC to the FCC Network.   .

Configuring Dial-Up Network Access

To start dial-up networking:

a.   **Start** button.

Click the **Programs**

c.   Click the   option to display the Accessories menu.

d.   **Dial-Up Networking**.

When the Dial-Up Networking window appears, double-click the **Make New Connection**

3.   The Make New Connection window appears. In the field entitled
computer you are dialing, type   .

4.   *Select a modem* field and select your modem from

If your modem does not appear on this list, you must install your modem driver according to the modem manufacturer installation procedures, which are usually described in your

5.   Click the   button. Click the **Options**

6.   In the   area of the **Options**   *neither* option is selected.

click the **OK**

7.   Click the   button.

8.   Type *800* in the *Area Code* field and *844-2784* in the *Telephone Number* field. Verify that the correct country is selected in the *Country code* field.

        If not, click the down arrow at the right of the *Country code* field and select the appropriate country from the menu of available countries.

9.   Click the **Next** button.

10.   Click the **Finish** button. An icon titled **ULS at FCC** appears in the Dial-Up Networking window.

11.   Verify that properties are configured correctly before attempting a dial-up session. Position the mouse pointer on the **ULS at FCC** icon and click the *right* mouse button to display a menu. Select **Properties** from the menu.

12.   Click the **Server Type** button at the bottom of the ULS at FCC screen.

13.   In the *Advanced Options* area of the Server Type window, verify that only *Enable software compression* is selected.

        If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.

14.   In the *Allowed Network Protocols* area of the Server Type window, verify that only *TCP/IP* is selected.

        If it is not selected, click the check box at the left of the option to select it. If either of the other options is selected, click the check box to deselect it.

15.   Click **OK** on the Server Type window, then click **OK** on the Properties window.

16.   To configure the TCP/IP protocol:

        a.   Click the Windows 95 **Start** button.

        b.   Click the **Settings** option to display the Settings menu.

        c.   Click the **Control Panel** option to display the Control Panel.

        d.   Double-click the **Network** icon.

        e.   Highlight the **TCP/IP protocol** and click **Properties**.

                •   If multiple TCP/IP protocols are displayed, select **TCP/IP --> Dial-Up Adapter**.

                •   If TCP/IP is not installed, click the **Add** button, then click **Protocol** and click **Add**. Select **Microsoft** from the list of Manufacturers, then select

TCP/IP from the list of Network protocols. Click **OK** to add it, then highlight **TCP/IP** and click **Properties**.

f.   Click the **DNS Configuration** tab.

g.   Click **Enable DNS**.

h.   If there is no Host, type *bidder* in the *Host* field.

i.   Type *192.104.54.1* in the *DNS Server Search order* field and click the **Add** button.

j.   Click **OK** on the TCP/IP Properties window, then click **OK** on the Network window.

Dial-Up Procedure

1. If your PC is connected to a Local Area Network (LAN), perform the steps below before dialing into the FCC Network. Otherwise, proceed to step 2.

    a. Start up your PC *without* logging into the network.

    b. Click the Windows95 **Start** button and select **Run**.

    c. Type *winipcfg* in the Run window and click on **OK**.

    d. Click the **Release All** button to reset the IP address to "0.0.0.0."

2. If the Dial-Up Networking window is not currently open, do the following:

    a. Click the Windows 95 **Start** button.

    b. Click the **Programs** option to display the Programs menu.

    c. Click the **Accessories** option to display the Accessories menu.

    d. From the **Accessories** menu, click **Dial-Up Networking**.

    The Dial-Up Networking window appears.

3. Double-click the **ULS at FCC** icon in the Dial-Up Networking window.

4. Click the **Connect** button on the ULS at FCC window. *Do not enter User name and Password.*

    The Connecting to ULS at FCC window appears, indicating the status of your connection as your modem dials into the system. This window must remain running during your dial-up session. You may minimize the window, if you wish.

5. Once the connection is established, open your web browser (Netscape or Internet Explorer).

6. In the *Location* field (Netscape 3.x), *Netsite* field (Netscape 4.x), or *Address* field (Internet Explorer) of the web browser screen, type the desired Universal Resource Locator (URL). Then press the ENTER key.

7. When you have finished, exit the web browser, then click the **Disconnect** button on the ULS at FCC window to end your dial-up session.

Troubleshooting

Following are resolutions of problems you may encounter when accessing the FCC Network.

Modem does not respond

1. Confirm that the correct modem driver is installed for your modem.

2. Confirm that all physical connections for the modem are present.

3. Confirm that the phone line is active by connecting the modem cable to a telephone.

Modem dials but does not connect

1. Confirm that the modem is dialing the correct number.

2. Confirm that the modem prefix (if any) is correct.

Modem dials and connects, but nothing appears when you enter the location in the web browser

1. Check the settings in your dial-up networking icon, particularly that the *Primary DNS* is **192.104.54.1** and that *TCP/IP* is the only selected protocol.

2. Confirm that your web browser is using no proxies.

3. It is recommended that you do not log into a TCP/IP Local Area Network (LAN). If you do log into a TCP/IP LAN, confirm that your LAN network IP address is being released. To do so, connect to the FCC Network using dial-up networking, then click the **Start** button in Windows95 and select **Run**. Type *winipcfg* and press **OK**. If your IP address does not begin with "192.104.", then your LAN IP address is not being released. Click the **Release All** button, or consult you LAN administrator.

Technical Support

For technical assistance in accessing the FCC Network using Windows95, contact the FCC Technical Support Hotline at (202) 414-1250. This hotline is generally available Monday through Friday, from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*

ACCESSING THE FCC NETWORK
USING WINDOWS 3.1 OR 3.11

This attachment describes how to access the FCC Network from a system that is running the Microsoft Windows 3.1 or Windows for Workgroups 3.11 operating system. This involves using the FCC-supplied Point-to-Point Protocol (PPP) Dialer.

This attachment summarizes the hardware and software required for the PPP Dialer, then describes the procedures for performing the following tasks:

- Downloading the Dialer files from the Internet or the FCC Bulletin Board
- Extracting the Dialer from the downloaded files
- Installing the Dialer application
- Configuring PPP
- Establishing a PPP connection

The attachment also describes how to troubleshoot and uninstall the PPP Dialer application, and tells how to get help from the FCC.

Conventions

The instructions in this attachment use the following typographical conventions:

bold Represents objects on the screen that you click with the mouse pointer, including buttons, Internet links, icons, tabs, menu items (e.g., **Cancel** button, **Auctions** link, **Save** option in the File menu).

italic Represents field names or areas of a screen (e.g., *Licensee Name* field, *Applicant Information* area of a screen).

bold italic Represents characters that you must type exactly as they appear in the instructions. For example, if you are instructed to type ***http://www.fcc.gov***, you should type all of the characters shown in bold italic exactly as they are printed.

SMALL CAPS Represents keys on the keyboard (e.g., ENTER, CTRL, ESC).

Hardware and Software Requirements

Applicants who want to connect to the FCC Network using the FCC PPP Dialer will need the following hardware and software.

Hardware Requirements

- CPU: Intel 80486 or above

- RAM: 8 MB RAM (more recommended if you intend to open multiple applications)

- Hard Disk: 10 MB available disk space

- Modem: v.32bis 14.4-kbps Hayes compatible modem

- Monitor: VGA or above

- Mouse or other pointing device

Software Requirements

- Internet Web Browser software (Netscape Communicator 4.05 with JDK 1.1, Netscape Navigator 3.01, and Microsoft Internet Explorer 3.02 with the file upload patch were used during FCC internal testing)

- Microsoft Windows 3.1 or Microsoft Windows for Workgroups 3.11

Note: If you are running Windows in a networked environment, check with your local network administrator for any potential conflicts with the FCC PPP Dialer. This usually includes any TCP/IP installed network protocol.

The FCC PPP Dialer will establish a point-to-point connection from your PC to the FCC Network. *This point-to-point connection is not routed through the Internet*.

Downloading the Dialer Software

Applicants who wish to use the FCC PPP Dialer must first download the dialer software from either the Internet or the FCC Bulletin Board System. Applicants must download the following compressed files to install the software:

      fccdial1.exe
      fccdial2.exe
      fccdial3.exe

Download Method 1: Internet Access

You may use your Internet browser to download the compressed files from **www.fcc.gov** or **wtbwww01.fcc.gov**, as described in the following sections.

- **<u>Downloading from *www.fcc.gov*</u>**

    1.   Connect to your Internet Service Provider and start your web browser.

    2.   In the *Location* (Netscape) or *Address* (Internet Explorer) field of the web browser screen, enter the following location: ***http://www.fcc.gov***. Then press the ENTER key.

    3.   Click the **Electronic Filing** link.

    4.   Click **Universal Licensing System** at the bottom of the screen.

    5.   Click the **FCC PPP Dialer** button, located on the left side of the page.

    6.   Scroll down to the *Download the Dialer* section of the page. Download the following files by clicking their respective filename links: **fccdial1.exe, fccdial2.exe, fccdial3.exe**

- **<u>Downloading from *wtbwww01.fcc.gov*</u>**

    1.   Connect to your Internet Service Provider and start your web browser.

    2.   In the *Location* (Netscape) or *Address* (Internet Explorer) field of the web browser screen, enter the following location: ***http://wtbwww01.fcc.gov***. Then press the ENTER key.

    3.   Click the **Dialer** link.

    4.   Download the following files by clicking each of the corresponding icons: **fccdial1.exe, fccdial2.exe, fccdial3.exe**

Download Method 2: Dial-In Access to the FCC Auction Bulletin Board System (BBS)

The FCC Auction Bulletin Board System (BBS) provides dial-in access for the FCC PPP Dialer. To access the FCC Auction BBS, use a communications package that can handle at least Xmodem protocol (such as PcAnyWhere, Procomm, or Microsoft Terminal in Windows 3.x) to dial in to (202) 682-5851. Use the settings of 8 data bits, no parity, and 1 stop bit (8,N,1).

Once your computer is connected to the Auction BBS, do the following:

1.   To create an account:

    a.   Enter your first name.

b.	Enter your last name.

c.	When asked whether you want to create an account, enter *Y*.

d.	When prompted, enter a password.

The password can be from four to ten characters long, where the characters can be either letters or numbers.

e.	To confirm the password, enter it again.

f.	When prompted for contact information, enter your voice phone number, including area code.

For example, you might enter *202-555-1234.*

g.	Enter your company name.

2.	On the Welcome screen, enter *C* for Continue. (You may also enter *c*, the program accepts either uppercase or lowercase.)

Since C is the default (automatic) selection, you can also just press ENTER to continue.

3.	When asked whether you want to view the bulletin menu, enter *Y* for Yes. Then press ENTER to obtain the FCC Auction BBS Main Menu.

4.	Enter *A* (for Auction Menu) to obtain the Auction Library Menu.

The top options on this menu provide a range of numbers to represent the available auctions.

5.	To select Dialer, enter *D*.

The list of available files appears. These files are sorted by date, with the most recent files at the beginning of the list.

6.	To scroll downward to the next screen of file names, either press ENTER or enter *C* for Continue. To scroll upward to the preceding screen of file names, enter *P* for Previous.

Note that on each screen, file names are numbered separately, starting with 1.

7.	To select one or more files for downloading or viewing, mark the files you want. The program marks a file by preceding its name with an asterisk (*).

You can do the following:

• To mark an individual file, enter its line number.

- To mark a range of files, enter *M* (for Mark) and then enter the range of files in response to the prompt.

  For example, to mark files 1 through 3, enter *1-3* at the prompt.

- To unmark a file, enter its number again.

  You can also use **Mark** to unmark a range of files.

  Use any of these techniques to mark the following files: **fccdial1.exe, fccdial2.exe, fccdial3.exe**

8. When you have finished marking files, download them as follows:

    a. Enter *D* for Download.

        The program displays a list that summarizes the download operation. The *Time* column lists the download time for each file; the *Total Time* column lists a running total of the download times.

    b. Enter *D* to proceed.

    c. Select the file transfer protocol that has been specified in your terminal emulation software (e.g., Xmodem or Zmodem).

        When the download operation has finished, the list of files reappears.

9. Enter *X* to leave the BBS.

Extracting the FCC PPP Dialer

The FCC PPP Dialer files are downloaded in a self-extracting, compressed file format. When you have downloaded the compressed files, you must extract the FCC PPP Dialer from each file.

To extract the software, start File Manager in the Main Program group, open the file folder where you downloaded the files, and double-click each file (**fccdial1.exe, fccdial2.exe, fccdial3.exe**). A message will appear listing the default directory to which the software will extract. If this directory does not exist, it will be created automatically. Click **Unzip** to begin extracting the software from the compressed files.

When the extraction is complete, a message will appear listing the number of files that were unzipped. Click **OK** to automatically start the setup program.

Installing the FCC PPP Dialer

After you extract the software from *all* of the compressed files, go to File Manager, locate the directory to which you extracted the software, and double-click **setup.exe**.

will install. Click the **Install**   **OK** to install to the specified directory. If the

When the installation is complete, a message may appear asking you to restart Windows so that
the changes made by the installation can take effect. Click   to restart Windows or click
Stay Here
Windows.

You will now have a new Program Manager group called   with icons labeled
Configure PPP PPP Dialer, and   .

Running the Configure PPP Program

may also adjust the configuration settings.

To start the Configure PPP program:

        Double-click the **Configure PPP**

2.   From the   menu, select the COM port to which your modem is connected.

3.   *Speed* menu, select the maximum DTE rate of your modem.

        57600.

4.
        If you experience problems getting the modem to respond, experimenting with these
        settings may help.

        The DNS should be set to 192.104.54.1.

        The remainder of the screen has default values which should provide optimal performance.

        Click the **Script**
        ability to issue specific commands to the modem.

7.   *Selected Modem* field and choose the entry from the list that

        If your modem does not appear in the list, select a generic modem string by entering either
        ATZ   **AT&F** (for 28.8-kbps modems) in the
        String box.

8. It may be necessary to change the command in the *Modem Dial Prefix* field to accommodate how you make calls.

   For example:

   > Add a *1* before dialing the 800 number: ATDT1
   > Dialing prefix of 9 used, add a *1* before dialing the 800 number: ATDT91
   > Turn off call waiting, add a *1* before dialing the 800 number: ATDT*70,1

9. If you use a dialing suffix, enter it in the *Dial Suffix* field.

10. The default settings provided in Configure PPP should be compatible with most systems. If you experience problems connecting to the FCC Network, refer to the *Troubleshooting* section for possible solutions.

11. When you have finished using the Configure PPP program, click the **OK** button. You may now start the FCC PPP Dialer.

Establishing a PPP Connection

Once you have run the Configure PPP program, you can establish a PPP connection. If your PC is connected to a TCP/IP Local Area Network (LAN), disconnect your network connection before establishing a PPP connection. You can disconnect your network connection by restarting your PC *without* logging into the network.

1. To start the PPP Dialer, double-click the **PPP Dialer** icon in the FCC PPP Dialer program group.

   The dialer will attempt to dial the toll-free 800 number automatically.

2. When the PPP Dialer establishes a connection, you will gain access to the PPP Dial Up screen. You may switch to the PPP Dial Up screen by pressing CTRL+ESC and double-clicking **PPP Dial Up** in the Task List.

   The screen will display the current status of the PPP connection.

3. To refresh the status of the PPP connection, select the Refresh Status option from the Dial menu.

4. Select the Minimize option from the Window menu to minimize the PPP Dial Up screen.

5. To test the status of the PPP connection, select the Test Connection from the Dial menu. This option allows you to ping the FCC Network. The ping process sends a signal to the FCC Network; if the signal returns, you have established a good connection.

   The Hostname box will show 192.104.54.1.

6.   From the Number menu, choose the number of pings you wish to send (one, continuous,

      request (e.g., icmp echo request), the interval between pings, and the timeout setting; the
      default settings should suffice.

      the File

7.   Click the   button.

      The status and packets boxes will display information concerning whether the pings were

8.   If necessary, click the   button, to end the ping process. Click the **Exit**
      the Ping program.

Disconnecting the PPP Connection

Disconnect option from the Dial menu.

Troubleshooting

Modem does not respond

1.

2.   Make sure that you have selected the appropriate modem in the   list.

      If your modem does not appear in the list, select a generic modem string by entering either
            (for 14.4-kbps modems) or **AT&F**   *Reset Modem*
      String

3.   Check your modem for IRQ conflicts.

      Check the physical connections.

5.

6.   Change Flow Control.

Modem connects but does not return an IP address

1.   Check that you have selected the appropriate modem in the Selected Modem list.

2.   Verify the DNS is set to 192.104.54.1.

3.   Verify the MRU and MTU are set to 1500.

4.   Turn off VJ Compression.

5.   Change timeout to 15.

        This is found on the Script Setup screen in Configure PPP.

6.   Check your modem for IRQ conflicts.

7.   Unload network drivers.

SQLSERVER errors

1.   Turn off VJ Compression.

2.   Unload network drivers.

3.   Check for the existence of multiple winsock.dll files on your PC.

4.   Test the PPP connection with the Ping program.

Errors may be caused by having multiple winsock.dll files on your PC. To search for conflicting winsock.dll files, start File Manager, open the directory for the root of the hard drive you want to search (usually c:\) and select the Search option from the File menu. In the *search for:* box, enter **winsock.dll**. Verify that the *select all subdirectories* option is selected, then click **OK**.

Make sure that any other winsock files are not in your path. To check this, go to the DOS prompt and type **path**. If any directory containing another winsock.dll file appears in the path, do either of the following:

•   Edit the autoexec.bat file to remove the reference to that directory, then save and reboot the PC. If you need to use the other PPP software package, reinsert the appropriate directory reference, save, and reboot.

•   Temporarily rename the conflicting winsock.

Uninstalling the FCC PPP Dialer Application

To uninstall the FCC PPP Dialer, double-click the **Uninstall**
group. Click **Start**

Technical Support

For technical assistance in installing or using the FCC PPP Dialer, contact the FCC Technical

from 8 a.m. to 6 p.m. ET. *All calls to the FCC Technical Support Hotline are recorded.*